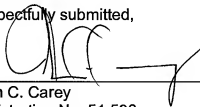## REMARKS

This amendment is being submitted together with a Request for Continued Examination. In this response, Applicants have amended independent claims 1, 25 and 31 to clarify the role of the PPU Control Engine (PCE), as suggested by the Examiner. Specifically, the PCE is configured to receive physics simulation requests from the Central Processing Unit (CPU) via a Physics Processing Unit (PPU) software driver executing on the CPU. The PCE also issues commands to the Data Movement Engine (DME) and the Floating Point Engine(FPE) to perform physics simulation computations associated with the physics simulation requests received from the CPU. The amended claims better reflect the substantive arguments as to why the claimed invention is distinguished from the references cited to date. As stated, none of the cited references, or any combination of those references, teaches or suggests the limitations now recited in the pending claims. Therefore, the claims are now in condition for allowance.

In addition, Applicants have added three new dependent claims, claims 38-40, further specifying that the PCE is configured to call microcode routines executed on the DME and FPE to perform physics simulation computations. Again, none of the cited references, or any combination of those references, teaches or suggests the limitations of claims 38-40. Therefore, claims 38-40 are also in condition for allowance.

Respectfully submitted,

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